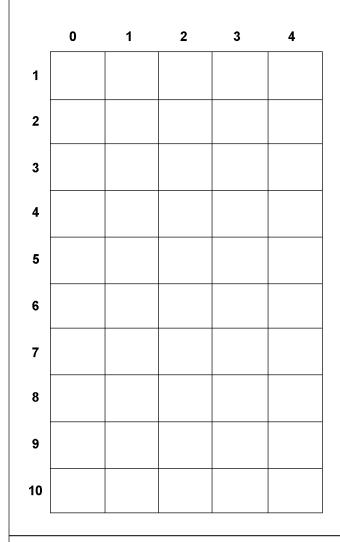
AIRBORNE FIBER SAMPLING SHEET							
Building Number: Loca		eation:					
Operating Desc	cription:						
Pump Location	ı:						
		CAL	IBRATION D	ATA			
Pump No: Sample Date:							
PRE-CALIBRATION		POST-CALIBRATION					
		Flow Rate		Flow Rate			
	1.)			1.)			
	2.)			2.)			
	3.)			3.)			
	AVG			AVG			
	A	VERAGE OR PRE/POST CA	ALIBRATIONS:				
		SA	MPLING DA	ΓΑ			
Analyst:			Date of Reading:				
		Filter Size	25 mm :	37mm			
FILTER ID		TIME ON	TIME OFF	TIME (min)	VOLUME(L)		

TOTAL FIBER/FIELD COUNT



5	6	7	8	9

CALCULATIONS:

Total Fiber Count:	Total Field Count:	MFA =0.00785 mm ²

ABBREVIATIONS AND FORMULAS:

DL = Detection Limit in fibers/CC Fibers/cc:

= Volume of Air Samples in Liters TWA:

= Effective Collection Area of Filter in mm²

(25 mm = 385 37 mm = 855) DL:

MFA = Microscopic Field Area

(Total Fibers Counted)-(Blank Fibers Counted) -X (Filter Area) (Total Fibers Counted)-(Blank Fields Counted) Fibers/cc =

(1000) x (Flow Rate, 1pm) x (Collection Time, min) x (MFA)

$$DL = \frac{(10/100) \text{ x(FA)}}{(1000) \text{ x (V) x (MFA)}} \qquad F/mm^2 = \frac{(\text{Fibers-Blank})/(\text{Fields})}{(\text{MFA})} \qquad F/cc = \frac{(\text{Fibers/Fields})}{(\text{Volume})} \quad \text{x 49.04}$$

(for 25mm filter only) $TWA = C_1 T_1 + C_2 T_2 + C_n T_n$